REMARKS

Claims 1-30 have been cancelled. Claims 31-53 have been added. Claims 31-53 are pending.

The Examiner objected to claims 28-30. Claims 28-30 have been canceled. Claims 1-6, 7-23, and 28-30 were rejected under 35 U.S.C. §112. Claims 1-6, 10-23, and 28-30 were also rejected under 35 U.S.C. §103. Applicants wish to thank the Examiner for his comments.

The rejections are respectfully traversed. New claim 31 recites "...obtaining dense range data which describes the distance of points on the figure from a reference; constructing a model using the dense range data; producing a hypothesis for the pose of the articulated figure, wherein the hypothesis is applied to the model to generate an expected input; comparing the expected input to the dense range data resulting in an error value and, based on the error value, producing an updated hypothesis and a set of output parameters; and processing the dense range data to estimate the pose of the articulated figure from the set of output parameters." None of the references recite the claimed invention. Thus, Applicants submit that claim 31 is allowable.

Claims 41 and 51 were amended similarly to claim 31 and are believed to be allowable for the same reasons as claim 31. Claims 32-40 depend from claim 31, claims 42-50 depend from claim 41, and claims 52-53 depend from claim 51, all of which are also believed to be allowable for the reasons stated above for claim 31.

Reconsideration of the application and allowance of all claims are respectfully requested.

If at any time the Examiner believes that an interview would be helpful, please contact the

undersigned.

Respectfully submitted,

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